

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please CANCEL claims 1-23 without prejudice or disclaimer.

Please ADD new claims 24-40 in accordance with the following:

1. - 23. (Canceled)

24. (New) A wireless data communication network switching system, comprising:

a server;

a network to which the server is connected;

first and second access routers that are connected to the network and are different from each other;

first and second wireless data communication networks that are connected to the first and second access routers corresponding thereto, respectively;

a mobile computer being capable of connecting to the first and second wireless data communication networks;

a client deployed in the mobile computer and being able to communicate with the server via any one of the first and/or second wireless data communication networks;

a first switching device connected to the network, and operating as an intermediary mechanism for the server; and

a second switching device provided in the mobile computer, operating as an intermediary mechanism for the client, controlling switching of the first and second wireless data communication networks in cooperation with the first switching device, and comprising:

means for releasing a session being established in a response to a switching request for the first or second wireless data communication network in cooperation with the first switching device,

means for connecting to the first or second wireless data communication network to which the communication is to be switched and acquiring a new communication address assigned in response to the connection, after the release is complete,

means for notifying the first switching device of the communication address, and

means for resuming the released session in cooperation with the first switching

device following the notification,

wherein the second switching device in the mobile computer switches the communication from the first wireless data communication network to the second wireless data communication network, so that the communication is performed via the first wireless data communication network until the releasing and via the second wireless data communication network from the resuming.

25. (New) The wireless data communication network switching system according to claim 24, wherein the means for releasing transmits a marker indicative of last data when the session is suspended to inform the first switching device of data that should have been received when the session is suspended.

26. (New) The wireless data communication network switching system according to claim 24, further comprising:

means for issuing the switching request by estimating a communication traffic between the client and the server.

27. (New) The wireless data communication network switching system according to claim 26, wherein the means for issuing estimates the communication traffic by measuring size of a content to be communicated between the client and the server.

28. (New) The wireless data communication network switching system according to claim 27, wherein the means for issuing issues another switching request to switch back to the previous wireless data communication network, after issuing the switching request depending on the communication traffic estimated from the content size and when the content is complete.

29. (New) The wireless data communication network switching system according to claim 26, wherein the means for issuing estimates a communication traffic from an application type.

30. (New) The wireless data communication network switching system according to claim 29, wherein the means for issuing issues another switching request to switch back to the previous wireless data communication network, after issuing the switching request depending on the communication traffic estimated from the application type and when the application is terminated.

31. (New) The wireless data communication network switching system according to claim 24, further comprising:

means for transforming discrete communication traffics into a continuous communication traffic by holding data to be transmitted for a period.

32. (New) The wireless data communication network switching system according to claim 24, further comprising:

means for detecting whether a new wireless data communication network is made available; and

means for determining whether the new wireless data communication network is advantageous in terms of service charge over a currently-used wireless data communication network and issuing a switching request to switch to the new wireless data communication network when it is determined advantageous.

33. (New) The wireless data communication network switching system according to claim 33, wherein the first switching device comprises:

means for transferring a service request to the server by identifying a server pointed to by a port number specified in the service request issued by the client;

means for releasing a session being established in a response to a switching request for the wireless data communication networks in cooperation with the second switching device;

means for acquiring a communication address for the second switching device assigned by a wireless data communication network switched by the second switching device in response to the switching request; and

means for resuming the released session in cooperation with the second switching device following the acquisition.

34. (New) The wireless data communication network switching system according to claim 33, wherein the means for releasing detects a marker transmitted by the second switching device to detect the completion of the reception of the data that should have been received when the session is suspended.

35. (New) The wireless data communication network switching system according to claim 33, further comprising:

means for issuing the switching request by estimating a communication traffic between the client and the server.

36. (New) The wireless data communication network switching system according to claim 35, wherein the issuance means estimates the communication traffic by measuring size of a content to be communicated between the client and the server.

37. (New) The wireless data communication network switching system according to claim 36, wherein the means for issuing issues another switching request to switch back to the previous wireless data communication network, after issuing the switching request depending on the communication traffic estimated from the content size and when the content is complete.

38. (New) The wireless data communication network switching system according to claim 35, wherein the means for issuing estimates a communication traffic from an application type.

39. (New) The wireless data communication network switching system according to claim 38, wherein the means for issuing issues another switching request to switch back to the previous wireless data communication network, after issuing the switching request depending on the communication traffic estimated from the application type and when the application is terminated.

40. (New) The wireless data communication network switching system according to claim 33, further comprising:

means for transforming discrete communication traffics into a continuous communication traffic by holding data to be transmitted for a period.